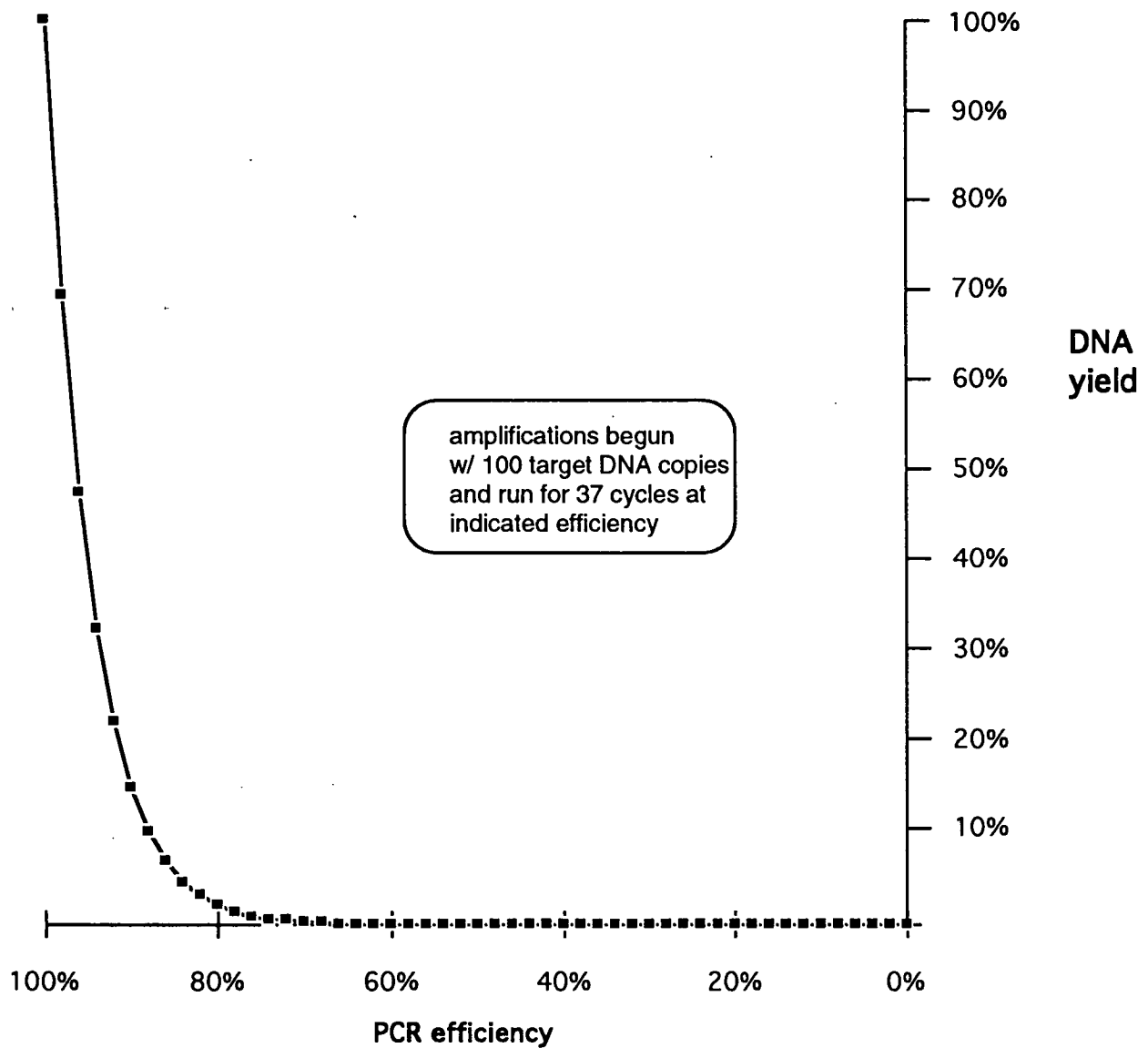


## PCR efficiency and DNA yield



The graph depicts a theoretical calculation of the relative amount of DNA product made as a function of the efficiency per cycle of DNA replication. For example, 100% efficiency is 10 of 10 molecules completely replicated; 90% is 9 of 10; 80% is 8 of 10, etc. The calculation for 37 replication cycles in PCR was initiated with 100 molecules of target.